We claim:

1. A method for exchanging an elastic casing of a roller having both a core which carries said casing and a fastening layer between the casing and the core, said method comprising steps of

removing the casing and a portion of a fastening layer, thereby reducing at least part of the fastening layer in thickness,

centering a new casing on the core over the partly removed fastening layer,

filling any remaining intermediate space between the partly removed fastening layer and the casing with a material, thereby connecting the casing to the partly removed fastening layer.

2. The method of claim 1, wherein said curable material is a curing liquid.

3. The method of claim 2, wherein said liquid is a cross-linking material which cures substantially without shrinkage.

4. The method of claim 2, wherein the casing has an inner diameter chosen such that upon filling of the remaining intermediate space between the casing and the partly removed fastening layer, the fastening layer is regenerated with a thickness of 0.5 mm to 15 mm.

5. The method of claim 4, wherein said thickness is 4 mm to 8 mm.

6. The method of claim 1, wherein said material is a two-component material.

7. The method of claim 1, wherein said material is chosen so as to reduce the difference of the moduli of elasticity of the core and the casing.

8. The method of claim 1, wherein said material is chosen so as to yield a fastening layer having a modulus of elasticity of 800 N/mm^2 to 1000 N/mm^2.

9. The method of claim 1, wherein the inner wall of the casing is roughened or

provided with structures, said roughening or structures permitting a positive-fit engagement of the fastening layer with the casing.

10. The method of claim 9, wherein the roughness is not greater than 1 mm.

11. The method of claim 9, wherein the roughness is not greater than 100 μm.

12. The method of claim 9, wherein the roughness is between 12 μm and 25 μm.

13. The method of claim 1, wherein said material is selected from the group consisting of epoxy resin, epoxy resin in combination with a cross-linking agent, and epoxy adhesive.

14. The method of claim 1, wherein said material contains modified polyamines.

15. The method of claim 1, wherein said modified polyamines are polyamidoamine.

16. The method of claim 13, wherein the epoxy resin, according to DIN 53018 at 25°, has a viscosity of about 8000 MPa-sec and the cross-linking agent has a viscosity of about 300 MPa-sec.

17. Use of a kit containing an elastic casing and a curable liquid for exchanging an elastic casing of a roller according to the method of claim 1.

18. The use according to claim 17, wherein the kit additionally comprises a core upon which the casing may be mounted.